AMENDMENT TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for treating cancer ~~by inducing Bcl-2 phosphorylation~~ in an animal in need thereof, the method comprising administering to the animal a composition comprising ~~a sesquiterpene lactone~~ an extract of *Inula britannica* in an amount sufficient to induce ~~said~~ phosphorylation ~~to treat said cancer~~ of Bcl-2, such that the cancer is treated.

2. - 9. (Canceled)

10. (New) A method for preventing cancer in an animal in need thereof, the method comprising administering to the animal a composition comprising an extract of *Inula britannica* in an amount sufficient to induce phosphorylation of Bcl-2, such that the cancer is prevented.

11. (New) The method of claim 1, wherein the extract comprises 1-*O*-acetylbritannilactone.

12. (New) The method of claim 1, wherein the extract comprises 1,6-*O*-*O*-diacetylbritannilactone.

13. (New) The method of claim 10, wherein the extract comprises 1-*O*-acetylbritannilactone.

14. (New) The method of claim 10, wherein the extract comprises 1,6-*O*-*O*-diacetylbritannilactone.

15. (New) The method of claim 1, 11 or 13, wherein the animal is a human.

16. (New) The method of claim 10, 12 or 14, wherein the animal is a human.

17. (New) The method of claim 15, wherein the cancer is ovarian cancer.

18. (New) The method of claim 16, wherein the cancer is ovarian cancer.

19. (New) The method of claim 15, wherein the cancer is prostate cancer.

20. (New) The method of claim 16, wherein the cancer is prostate cancer.

21. (New) The method of claim 15, wherein the cancer is breast cancer.

22. (New) The method of claim 16, wherein the cancer is breast cancer.

23. (New) The method of claim 15, wherein the composition is administered to the animal as a dietary supplement.

24. (New) The method of claim 16, wherein the composition is administered to the animal as a dietary supplement.

25. (New) The method of claim 17, wherein the amount produces at least a fifty percent (50%) decrease in cell viability of PA-1 cells relative to a control.

26. (New) The method of claim 18, wherein the amount produces at least a fifty percent (50%) decrease in cell viability of PA-1 cells relative to a control.

27. (New) The method of claim 25, wherein the concentration is about 2 μM.

28. (New) The method of claim 26, wherein the concentration is less than 7.815 μM.

29. (New) The method of claim 19, wherein the amount produces at least a fifty percent (50%) decrease in cell viability of Du-145 cells relative to a control.

30. (New) The method of claim 20, wherein the amount produces at least a fifty percent (50%) decrease in cell viability of Du-145 cells relative to a control.

31. (New) The method of claim 30, wherein the concentration is less than 15.6 μM.

32. (New) The method of claim 21, wherein the amount produces at least a fifty percent (50%) decrease in cell viability of MCF-7 cells relative to a control.

33. (New) The method of claim 22, wherein the amount produces at least a fifty percent (50%) decrease in cell viability of MCF-7 cells relative to a control.

34. (New) The method of claim 32, wherein the concentration is about 200 μM.

35. (New) The method of claim 33, wherein the concentration is less than 12.5 μM.

36. (New) The method of claim 1 or 10, wherein the extract is prepared from the floral parts of *Inula britannica*.